

**Amendments to the Claims:**

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

- 1-19. (Canceled.)
20. (Previously Presented) A delivery system for controlled dispensing of a substance, the system comprising:  
a cartridge having at least two compartments for storing material components, wherein the system is adapted to mix the components to form a substance;  
a plunger having at least two pistons for sealing the respective compartments and advancing the material components in the at least two compartments;  
a lever and a geared connection rod for providing controlled dispensing of the substance;  
and  
a self-opening closure system which seals the front ends of the compartments and opens when the plunger is advanced.
21. (Canceled).
22. (Currently Amended). A delivery system for controlled dispensing of a substance, the system comprising:  
a cartridge having at least two compartments for storing material components, wherein the system is adapted to mix the components to form a substance;  
a plunger having at least two pistons for sealing the respective compartments and advancing the material components in the at least two compartments; [[and]]  
a lever and a geared connection rod for providing controlled dispensing of the substance;  
~~wherein the lever is integrally formed with at least a part of the cartridge and~~  
~~means for sealing the front ends of the compartments and opening when the plunger is advanced.~~

23. (Canceled).

24. (Currently Amended) The delivery system of claim 20 or 22, A delivery system for controlled dispensing of a substance, the system comprising:  
~~a cartridge having at least two compartments for storing material components, wherein the system is adapted to mix the components to form a substance;~~  
~~a plunger having at least two pistons for sealing the respective compartments and advancing the material components in the at least two compartments; and~~  
~~a lever and a geared connection rod for providing controlled dispensing of the substance, wherein the geared connection rod is integrally formed with the plunger. wherein the lever and a pawl are adapted to reset to their original positions after each activation without the presence of additional springs.~~

25. (Currently Amended) The delivery system according to one of claims 20 or 22, 22, 23, or 24, comprising a blocking member which restricts upward movement of the lever.

26. (Currently Amended) The delivery system according to one of claims 20 or 22, 22, 23, or 24, further comprising a reinforcement member for hindering backlash movement of the connection rod, wherein a pawl is adapted to lift the reinforcement member and thereby release the connection rod.

27. (Currently Amended) The delivery system according to one of claims 20 or 22, 22, 23, or 24, further comprising a reservoir for receiving the mixed substance.

28. (Previously Presented) The delivery system according to claim 27, wherein the reservoir comprises a sleeve which is movable over the exterior surface of the cartridge and a cavity for receiving the substance exiting the cartridge, the cavity being formed by the interior surface of the sleeve and the exterior surface of the cartridge.

29. (Previously Presented) The delivery system according to claim 28, wherein the lever is attached to a sleeve, and a pawl engages with the lever so that upon each push of the lever, the cartridge is caused to move forward toward the cavity thereby providing controlled dispensation of the substance.
30. (Previously Presented) The delivery system according to claim 27, wherein by pressing the lever, a pawl engages with the connecting rod and thereby activates a plunger, and a piston is moved forward into the reservoir.
31. (Currently Amended) The delivery system of one of claims 20 or 22, 22, 23, or 24, wherein the cartridge comprises an actuator part and a material receptacle having at least two compartments for storing material components, the material receptacle being separable from the actuator part.
32. (Currently Amended) The delivery system according to one of claims 20 or 22, 22, 23, or 24, further comprising a brush.
33. (Currently Amended) The system according to one of claims 20 or 22, 22, 23, or 24, further comprising at least one of the following materials: enzyme-containing compositions; dental primers; bondings; etching gel/liquids; varnishes; glue, pharmaceuticals, liquids or gels; a substance for the treatment or prevention or identification of caries; a substance for the prevention or identification or removal of plaque; a substance for root canal treatment; a substance for the removal of carious or decayed or infected dentine or enamel and/or a substance for the removal of denatured dentine.
34. (Previously Presented) Kit with a system according to claim 33, further comprising at least one of the following members: a dental instrument; a disposable cartridge; a glove or a bonding or etching agent.

35. (New) The delivery system of claim 20, wherein the self-opening closure system comprises a plug that seals each of the compartments.

36. (New) The delivery system of claim 22, wherein the means for sealing the compartments comprises a plug that seals each of the compartments.